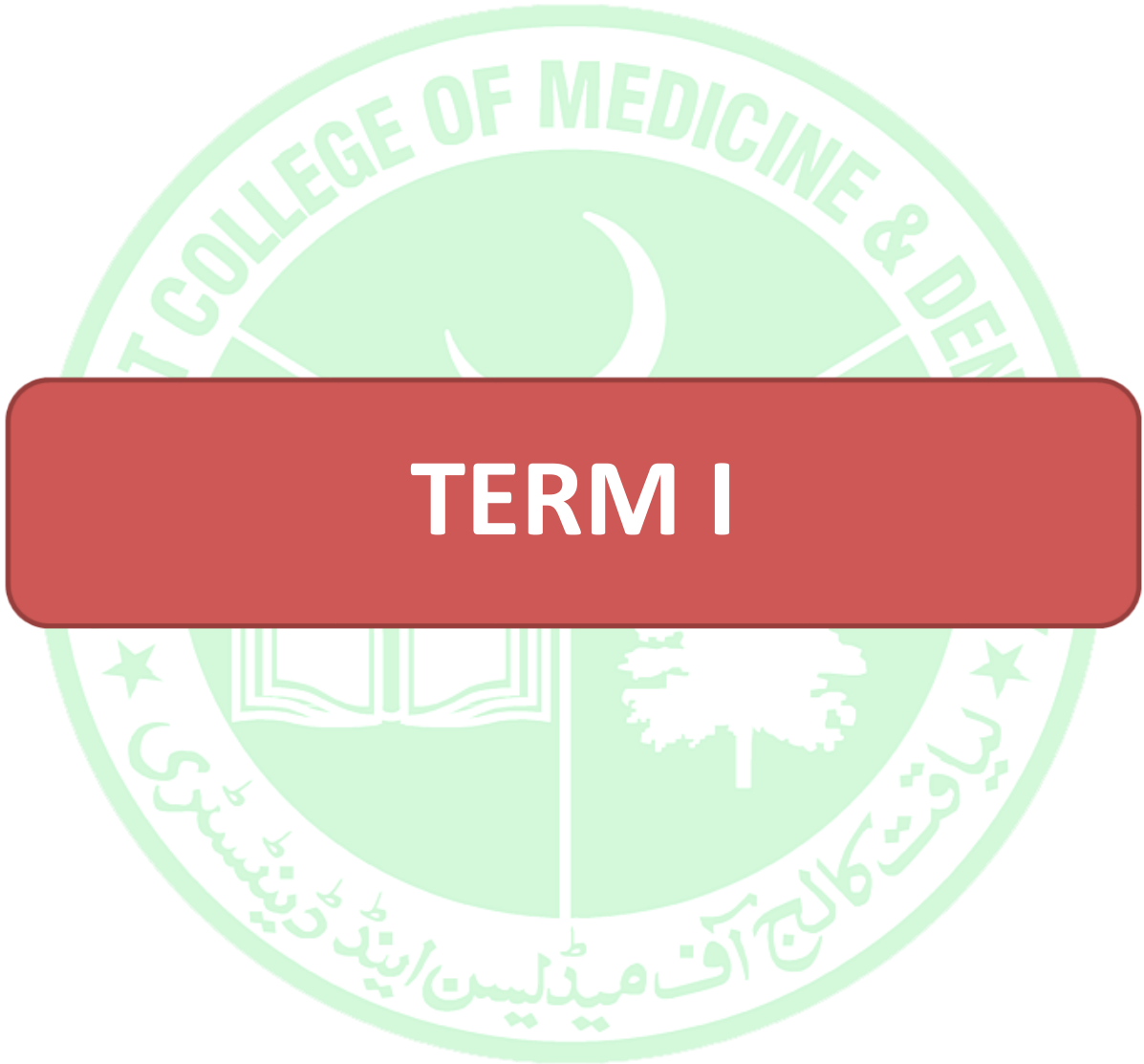




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OPERATIVE DENTISTRY

COURSE TOPIC: INTRODUCTION TO OPERATIVE DENTISTRY

Lecture Topic	Learning Objectives	Mode of Teaching		Assessment Tools
		Lectures	Clinical	
The field of Operative Dentistry	<ul style="list-style-type: none"> ➤ Define the term operative dentistry ➤ Explain the significance of the operative dentistry 	Lecture (1)		

COURSE TOPIC: BIOLOGIC CONSIDERATIONS IN OPERATIVE DENTISTRY

Lecture Topic	Learning Objectives	Mode of Teaching		Assessment Tools
		Lectures	Clinical	
Review of dental anatomy/ Biologic Considerations in Operative Dentistry	<ul style="list-style-type: none"> ➤ Discuss the chemical composition & structure of the following: <ul style="list-style-type: none"> i) Enamel ii) Dentin iii) Pulp iv) Cementum v) Gingiva ➤ Describe the morphologic and histological structure of tooth tissues with their clinical impact on restorative dentistry ➤ Explain the importance of dentogingival complex and biologic width in restorative dentistry. 	Lecture (1)		Class Test Class Participation Final Examination



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COURSE TOPIC: PATIENT EVALUATION AND PROBLEM ORIENTED TREATMENT PLANNING				
Lecture Topic	Learning Objectives	Mode of Teaching		Assessment Tools
		Lectures	Clinical	
Patient Evaluation and Problem Oriented Treatment Planning	<ul style="list-style-type: none"> ➤ Use the correct questions regarding history and symptoms of presenting complaints. ➤ Summarize the importance of a thorough medical and dental history. ➤ Discuss elements of clinical examination of following: <ul style="list-style-type: none"> i) Dentition ii) Periodontium iii) Radiographs iv) Diagnostic casts and photographs. ➤ Discuss the esthetic parameters to consider when restoring the dentition. ➤ Define the term problem-oriented treatment planning. ➤ Discuss merits and drawbacks of problem-oriented treatment planning. ➤ Describe problem-oriented treatment planning and its merits. ➤ List the sequence for successful treatment plan. ➤ Discuss the importance of dental record keeping. <p>By the end of the Operative OPD rotation the student should be able to:</p> <ul style="list-style-type: none"> ➤ Take informed consent from patient. ➤ Take comprehensive medical & dental history of the patient present in the operative OPD. ➤ Perform extra and intraoral examination on a patient presenting in operative OPD. ➤ Diagnose the cause of problem in the patient presenting in Operative OPD. ➤ Formulate a treatment plan for the patient presenting in Operative OPD. ➤ Demonstrate counseling skills regarding oral prophylaxis. 	Lecture (4) TBL (1)	<p>Tutorial/ Small Group Discussion</p> <p>On patient/ simulated patient</p>	<p>Class Test Class Participation Final Examination</p> <p>Mini CEX OSCE/on patient DOPS OSATS</p>



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COURSE TOPIC: PRELIMINARY CONSIDERATIONS IN OPERATIVE DENTISTRY				
Lecture Topic	Learning Objectives	Mode of Teaching		Assessment Tools
		Lectures	Clinical	
Operating Positions	<ul style="list-style-type: none"> ➤ Justify the need for correct patient and operator positions when carrying out restorative procedures. <p style="text-align: center;">By the end of the Operative OPD rotation the student should be able to:</p> <ul style="list-style-type: none"> ➤ Demonstrate ideal operating position for various restorative procedures on patients in OPD. 	Lecture (2)	Tutorial/ Small Group Discussion	Class Test Class Participation Group Assignment Final Examination OSATS
Isolation	<ul style="list-style-type: none"> ➤ List the advantages of isolation for restorative procedures. ➤ Describe different methods used for isolation. ➤ List the armamentarium required for rubber dam isolation. ➤ Enumerate the advantages and disadvantages of rubber dam application. <p style="text-align: center;">By the end of the Operative OPD rotation the student should be able to:</p> <ul style="list-style-type: none"> ➤ Identify the instruments used for isolation in OPD. ➤ Demonstrate application and removal of rubber dam on model/simulated patient / given patient. 		Small Group Discussion On patient/ simulated patient	OSATS
Cross infection control	<ul style="list-style-type: none"> ➤ Define cross infection. ➤ Explain the exposure risks in dentistry. ➤ Discuss different methods of cross infection control in dental office. ➤ List universal/ standard precautions ➤ Describe blood borne infections ➤ Describe methods of hand hygiene ➤ Discuss vaccination/ immunization of dental health care professionals ➤ Discuss elements of personal protective equipment (PPE) ➤ Discuss management of dental sharps ➤ Discuss prevention of needle stick injury ➤ Discuss needle stick injury management ➤ Discuss dental waste disposal 	Lecture (1)	Orientation class in OPD	
Sterilization and Disinfection	<ul style="list-style-type: none"> ➤ Differentiate the following terms: <ol style="list-style-type: none"> i) Sterilization, ii) Disinfection, iii) Asepsis. ➤ Discuss the importance of sterilization and disinfection. ➤ List critical, semi critical and non-critical items. ➤ Discuss disinfection of dental unit water lines. ➤ List elements of a sterilization plan. ➤ List various methods used for sterilization. ➤ List chemicals that are used for disinfection. ➤ Discuss methods to monitor sterilization. <p style="text-align: center;">By the end of the Operative OPD rotation the student should be able to :</p>	Lecture (2)		



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	<ul style="list-style-type: none"> ➤ Perform appropriate methods of sterilization, storage and removal of instruments from the autoclave. ➤ Demonstrate disinfection of dental units, instruments and impressions. ➤ Perform appropriate methods of disinfection of instruments used in OPD. ➤ Demonstrate the dental unit water line purging before use of hand piece. 		Tutorial/ Small Group Discussion
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COURSE TOPIC: OCCLUSION

Lecture Topic	Learning Objectives	Mode of Teaching		Assessment Tools
		Lectures	Clinical	
Occlusion	<ul style="list-style-type: none"> ➤ Define the following terms: <ol style="list-style-type: none"> i) Occlusion, ii) Static occlusion, iii) Dynamic occlusion, iv) Centric relation, v) Maximum intercuspation, vi) Supporting cusps, vii) Non-supporting cusps. ➤ Explain the types and directions of mandibular movements. ➤ Explain the confirmative vs reorganized approach ➤ Identify the high spot and do the adjustment ➤ State the significance of restoring occlusion in restorative dentistry. <p>By the end of the Operative OPD rotation the student should be able to:</p> <ul style="list-style-type: none"> ➤ Perform occlusal examination of patient. ➤ Perform necessary occlusal alteration before and after restoration. 	Lecture (2)		Class Test Class Participation Final Examination
			On patient/ simulated patient	OSATS

COURSE TOPIC: PULP AND PERIRADICULAR PATHOSIS

Lecture Topic	Learning Objectives	Mode of Teaching		Assessment Tools
		Lectures	Clinical	
Pulp and Periradicular Pathosis	<ul style="list-style-type: none"> ➤ Classify pulpal diseases ➤ Classify periradicular lesions of pulpal origin. ➤ Describe etiological factors of pulp inflammation. ➤ Explain mechanism of spread of inflammation in pulp. ➤ Explain why the pulp has difficulty in recovering from severe injury. ➤ List specific and non-specific indicators of pulpal inflammation. ➤ Describe the clinical and histological features of pulp diseases. ➤ Describe the mechanisms and consequences of spread of pulpal 	Lecture (1) Flip Class Room (1)		Class Test Quiz Class Participation Final Examination Group Assignment



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	<ul style="list-style-type: none"> ➤ inflammation into periradicular tissues. ➤ Describe the clinical and histological features of periradicular lesions of pulp diseases. ➤ Explain steps involved in repair of periapicalpathosis. ➤ Distinguish non-endodontic lesions that may simulate endodontic periradicularpathosis. By the end of the Operative OPD rotation the student should be able to: ➤ Diagnose a patient presenting with pulpal and periapical disease in OPD. ➤ Formulate treatment plan for patients presenting with pulpal and periapicalpathosis. 		<p>Tutorial/ Small Group Discussion</p> <p>On patient/ Simulated patient</p>	Mini CEX / DOPS
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COURSE TOPIC: DENTAL CARIES

Lecture Topic	Learning Objectives	Mode of Teaching		Assessment Tools
		Lectures	Clinical	
Etiology and Clinical Characteristics	<ul style="list-style-type: none"> ➤ Define dental caries ➤ Classify caries according to the ADA classification, ICDAS I and II, GJ Mount (others include classifications based on site, severity, tissue involved, occurrence, caries activity etc.) ➤ Discuss the etiology and pathogenesis of dental caries ➤ Describe factors influencing dental caries process ➤ Discuss the role of plaque/biofilm in progression of dental caries ➤ List the names of microorganisms responsible for dental caries ➤ Explain the Stephan's curve ➤ Explain clinical characteristics and progression of carious lesions as seen in: <ol style="list-style-type: none"> i) Pit and fissures ii) Smooth surfaces iii) Root surfaces ➤ Describe the progression of carious lesions in: <ol style="list-style-type: none"> i) Enamel and Dentin ➤ Discuss the different zones of enamel and dentin caries in an histological section 	Lecture (5)		Class Test Quiz Class Participation Final Examination
Diagnosis and Management	<ul style="list-style-type: none"> ➤ Differentiate between detection and diagnosis of dental caries ➤ Discuss methods of detection and diagnosis of dental caries in patients on the bases of clinical and radiographic examination ➤ Explain International Caries Detection and Assessment System (ICDAS II) ➤ Discuss principles of minimal invasive dentistry ➤ Describe Caries Management by Risk Assessment (CAMBRA). ➤ Discuss significance of caries risk assessment. ➤ Discuss caries management by the medical model ➤ Discuss protocols and strategies for prevention of dental caries 	Lecture (3)		Class Test Quiz Class Participation Final Examination



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	<ul style="list-style-type: none"> ➤ Explain non-invasive options for treatment of existing lesions / resin infiltration technique ➤ Define caries control restorations and ART ➤ Describe the clinical protocol for caries control restorations ➤ Justify a logical treatment plan sequence for restoring a patient's dentition ➤ Discuss maintenance care and recall visit intervals for individuals based on risk assessment ➤ State the role of saliva in protection against caries ➤ Justify the use of pits and fissure sealant. ➤ Discuss the indication of preventive resin restoration. <p>By the end of the Operative OPD rotation the student should be able to:</p> <ul style="list-style-type: none"> ➤ Take comprehensive medical & dental history of the patient present with dental caries in the OPD. ➤ Perform extra and intraoralexamination on a patient presentingwith dental caries in the OPD. ➤ Diagnose dental caries based on clinical and radiographic examination. ➤ Assess dental caries risk for a patient. ➤ Formulate a treatment plan for the patient present with dental caries in the OPD. ➤ Counsel patients regarding measures to prevent dental diseases. ➤ Make a maintenance care and recall visit interval plan for patients based on risk assessment. ➤ Demonstrate application of fissure sealants in children presenting in OPD. 			
			Tutorial/ Small Group Discussion (CBL)	Mini CEX/ OSATS
			On patient/ simulated patient	

COURSE TOPIC: Biology of Dental Pulp and Peri radicular Tissue

Lecture Topic	Learning Objectives	Mode of Teaching		Assessment Tools
		Lectures	Lectures	
Biology of Dental Pulp and Periradicular Tissue	<ul style="list-style-type: none"> ➤ Recognize the anatomic regions of pulp and their clinical importance. ➤ List the functions of the pulp dentin complex. ➤ Give brief overview of the blood vessels and lymphatics of pulp. ➤ Discuss distribution and function of the neural components of pulp. ➤ Discuss changes in pulp morphology with age. ➤ Describe the structure and function of periradicular tissues. 	Lecture (2)		Class Test Quiz Class Participation Final Examination



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COURSE TOPIC: Pain Activation And Transmission

Lecture Topic	Learning Objectives	Mode of Teaching		Assessment Tools
		Lectures	Lectures	
Pain Activation And Transmission	<ul style="list-style-type: none"> ➤ Define pain. ➤ Explain the process of pain activation and transmission. ➤ Discuss theories of dentin sensitivity. ➤ Describe the features of different pulpal nerve fibers. ➤ Explain pathway of efferent nerves from pulp to central nervous system. ➤ Differentiate between odontogenic and non odontogenic pain. ➤ Manage dentinal hypersensitivity. <p style="text-align: center;">By the end of the Operative OPD rotation the student should be able:</p> <ul style="list-style-type: none"> ➤ Formulate treatment plan for patients coming with dentinal hypersensitivity. 	Lecture (2)	Tutorial/ Small Group Discussion (CBL) On Patient	Class Test Quiz Class Participation Final Examination

COURSE TOPIC: Preserving Pulp Vitality

Lecture Topic	Learning Objectives	Mode of Teaching		Assessment Tools
preserving Pulp Vitality	<ul style="list-style-type: none"> ➤ Describe physiologic and structural characteristics of pulp and how it affects pulp response to injury. ➤ Give physical, chemical, bacterial cause of pulpal inflammation. ➤ Explain iatrogenic effects on the dental pulp by: <ol style="list-style-type: none"> i) Local anesthetics with vasoconstrictor, ii) Cavity/ crown preparation (thermal shock) iii) Depth of cavity preparation, iv) Various restorative materials, v) Placement of pins, vi) Polishing restorations, vii) Post-restoration hypersensitivity, viii) Orthodontic tooth movement, ix) Vital bleaching. ➤ Discuss the formation and role of tertiary dentin in pulp protection. ➤ Summarize preventive measures adopted during dental restorative procedures to preserve pulp vitality. 	Lecture (4)		Class Test Quiz Class Participation Final Examination

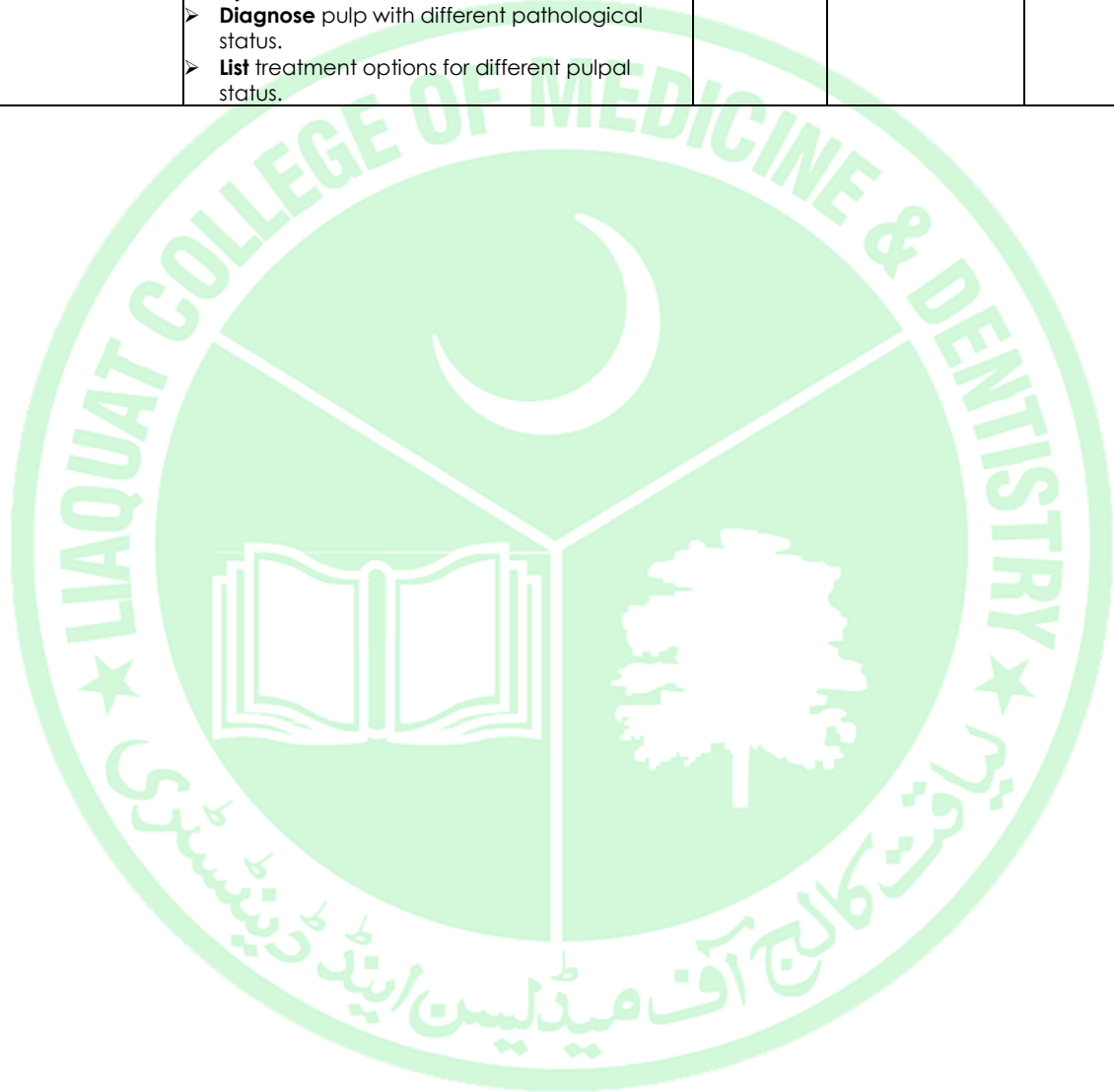


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COURSE TOPIC: PULPITIS AND ITS SEQUELAE

Lecture Topic	Learning Objectives	Mode of Teaching		Assessment Tools
		Lectures	Clinical	
Pulpitis and Its Sequelae	<p>By the end of lecture the student should be able :</p> <ul style="list-style-type: none">➤ Explain mechanism of spread of inflammation in the pulp.➤ Explain anatomical feature of pulp responsible for irreversible inflammation to injurious stimuli.➤ Diagnose pulp with different pathological status.➤ List treatment options for different pulpal status.	Lecture (2) Flip Class Room (1)		Class Test Quiz Class Participation Final Examination





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ORAL SURGERY				
COURSE TOPIC: PRINCIPLES OF SURGERY				
Lecture Topic	Learning Objectives	Mode of Teaching		Assessment Tools
		Lectures	Clinical	
Introduction to oral surgery Introduction History, Diagnosis and Treatment Planning	<ol style="list-style-type: none"> 1. Develop a surgical diagnosis for the given patient 2. Explain Basic necessities for Oral Surgery <p>By the end of the Oral surgery OPD rotation the student should be able to:</p> <ol style="list-style-type: none"> 1. Take comprehensive medical & dental history of the patient present in the operative OPD 2. Perform extra and intra oral examination on a patient presenting in operative OPD. 3. Diagnose the cause of the problem in the patient presenting in OPD 4. Formulate a treatment plan for the patient 5. Refer the patient in different departments according to prioritizing needs. 	Lecture(1)	Practical demonstration during surgical rotation	Any one form of assessment - Quiz - Class Test - Class Participation - Individual - Assignment Group Test -OSATS -MINI-CEX Form
Infection control in surgical practice	<ol style="list-style-type: none"> 1. Define Aseptic technique 2. Explain Communicable Pathogenic organisms <ol style="list-style-type: none"> i. Bacteria ii. Viral organisms iii. Myco bacterial organisms 3. Outline Different Aseptic techniques & universal precautions 4. Explain: <ol style="list-style-type: none"> i. Techniques of instrument ii. Sterilization & Disinfection. iii. Maintenance of sterility. iv. Operating field disinfection. v. Surgical staff Preparation. vi. Post surgical Asepsis <p>By the end of the Oral surgery OPD rotation the student should be able to:</p> <ol style="list-style-type: none"> 1. Describe appropriate method of sterilization and disinfection of various instruments in OPD. 2. Demonstrate the universal precautions on simulated/patient in OPD 3. Demonstrate the use of PPE on simulated patients 	Lecture(2)		
Basic Principles of Surgery Segment 1:	<ol style="list-style-type: none"> 1. Describe intraoral Incisions 2. Classify intraoral flaps for minor oral surgical procedures 3. Describe preventive measures for flap necrosis, dehiscence & tearing 4. Differentiate between intraoral flap designs 	Lecture(1)		
Segment 2: Hemostasis Management and	<ol style="list-style-type: none"> 5. Demonstrate <ol style="list-style-type: none"> i) Tissue handling ii) Hemostasis 	Lecture(1)		



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Suturing	<p>6. Explain:</p> <ul style="list-style-type: none"> i) Means of promoting wound hemostasis ii) Dead space management <p>By the end of the Oral surgery OPD rotation the student should be able:</p> <ul style="list-style-type: none"> 1. Demonstrate different types of incisions. (OSCE/CLINICAL) 2. Classify different flap designs on clinical pictures/ patients 3. Apply different methods of hemostasis on patients (OSCE) 4. Perform different types of suturing techniques on Forms (OSCE/CLINICAL) 5. Diagnose the patient with nerve injury in simulated and real patient 6. Counsel the simulated patient/ given patient regarding post operative wound care 			
<p>Segment 3: Post Operative Care, Nutrition, Prevention of Infection</p>	<ul style="list-style-type: none"> 7. Describe Decontamination & debridement 8. Identify operative measures for Edema control <ul style="list-style-type: none"> i) Intra operative ii) Post operative 9. Outline Patient general health & nutrition status. 	Lecture(1)		
Wound repair	<ul style="list-style-type: none"> 1. Describe Wound repair 2. Classify different types of wounds 3. Manage infected socket 4. Explain epithelization 5. List causes of tissue damage & stages of Wound healing 6. Describe process of healing of extraction socket 7. Explain Surgical Significance of Wound Healing 8. Define Facial Neuropathy of traumatic origin 9. List the classifications of Nerve Injury 10. Explain healing of the nerve <ul style="list-style-type: none"> i) Physiological ii) Pathological 	Lecture(2)		



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COURSE TOPIC: PRINCIPLES OF SURGERY				
Lecture Topic	Learning Objectives	Mode of Teaching		Assessment Tools
		Lectures	Clinical	
Prevention and Management of Medical Emergencies	<ol style="list-style-type: none"> 1. Take a comprehensive medical history of patients presenting to OPD. 2. Demonstrate General Physical Examination on the given patient 3. Identify medical condition which can exaggerate medical emergency on dental chair 4. Identify factors which can lead to anxiety on dental chair 5. Practice anxiety reduction protocol 6. Identify preventive measure for medically compromised patients undergoing dental treatment <p>By the end of the Oral surgery OPD rotation the student should be able to:</p> <ol style="list-style-type: none"> 1. Diagnose and manage the patients in different medical emergencies (simulated patients/ case-based learning) (OSCE) 	Lecture(3)	Practical demonstration during surgical rotation	Any one form of assessment - Quiz - Class Test - Class Participation - Individual - Assignment - Group Test
Preoperative Health Status Evaluation	<ol style="list-style-type: none"> 1. Analyze Dental problems in a Medically compromised patient 2. Obtain informed /Written consent from all patients undergoing oral surgical procedures under Local/General Anesthesia 3. Manage Medically Compromised patient undergoing extraction under Local Anesthesia 4. Prescribe appropriate Medication for pregnant & postpartum patients after treatment. 	Lecture(3)		



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COURSE TOPIC: BASIC PRINCIPLES OF SURGERY

Lecture Topic	Learning Objectives	Mode of Teaching		Assessment Tools
		Lectures	Clinical	
Pain and anxiety control in surgical practice Segment 1: Introduction, types (local, general & sedative anesthesia)	1. Classify Anesthetic agents on the basis of i) Chemical structure ii) Mode of action 2. Classify different types of Anesthesia used in dentistry 3. Compare different types of Anesthetic solutions used in dentistry 4. Describe Mechanism of action of Local anesthesia 5. Describe mechanism of action of vasoconstrictors. 6. Elaborate different methods of sedation	Lecture (1)	Practical demonstration during surgical rotation	Any one form of assessment - Quiz - Class Test - Class Participation - Individual - Assignment - Group Test - OSATS
Segment 2: Preoperative assessment (for local anesthesia and sedatives) Indication and contraindication of (LA, & Sedation)	1. Assess patients for LA with available information 2. Assess patients for sedation with nitrous oxide 3. List indications & contraindications of local Anesthesia and sedatives	Lecture (1)		
Segment 3: Administration and complications)	1. Explain conventional & specialized technique of LA 2. Identify reasons for failure of anesthesia 3. Demonstrate different chair positioning for LA administration 4. Demonstrate administration of infiltration & IDN Block on patients undergoing extraction using conventional technique By the end of the Oral surgery OPD rotation the student should be able to: 1. Classify different types of local anesthesia 2. Demonstrate different techniques on models 3. Choose proper armamentarium required according to different techniques 5. Administration of local infiltration, inferior alveolar and long buccal nerve blocks on models/given patients under supervision (OSCE/CLINICAL)	Lecture (1)		



COURSE TOPIC: PRINCIPLES OF EXODONTIA

Lecture Topic	Learning Objectives	Mode of Teaching		Assessment Tools
		Lectures	Clinical	
Clinical and radiographic evaluation of teeth for removal	<ol style="list-style-type: none"> 1. Define pain 2. Classify different type of pain related to teeth 3. Demonstrate Anxiety control protocol 4. Relate Pre surgical Medical Assessment, Clinical evaluation & radiographic interpretation before extraction 5. Describe patient & surgeons preparation before tooth extraction <p>By the end of the Oral surgery OPD rotation the student should be able to:</p> <ol style="list-style-type: none"> 1. Identify the types of radiographs. (OSCE) 2. Identify the anatomical structures observed in the radiograph. (OSCE/CLINICAL) 3. Identify the pathological findings seen in the radiograph. (OSCE/CLINICAL) 4. Demonstrate application of radiation protection equipment on patient before taking radiograph on patient. 5. Counsel the simulated patient/ given patient regarding findings of radiographs, their implication and possible solution. 	Lecture(1)	Practical demonstration during surgical rotation	Any one form of assessment - Quiz - Class Test - Class Participation - Individual - Assignment Group Test - OSATS
Instrumentation For Basic Oral Surgery	<ol style="list-style-type: none"> 1. Enlist instruments for: <ol style="list-style-type: none"> i) Incising tissue ii) Elevating mucoperiosteum iii) Retracting soft tissue iv) Controlling hemorrhage v) Grasping tissue vi) Removing bone vii) Removing soft tissue from bony defects viii) Suturing mucosa ix) Mouth opening x) Providing suction xi) Transferring sterile instruments xii) Holding towel & drapes in position xiii) Irrigation xiv) Dental elevators for tooth extraction xv) Tooth extraction forceps 2. Choose appropriate instruments for extraction of given tooth <p>By the end of the Oral Surgery OPD rotation the student should be able to:</p> <ol style="list-style-type: none"> 1. Identify the instruments of exodontia. (OSCE/CLINICAL) 2. Describe the uses of the instrument. (OSCE/CLINICAL) 3. Demonstrate correct selection of an instrument for the required task (OSCE/CLINICAL) 	Lecture(1)		
Principles of Routine Exodontia	<ol style="list-style-type: none"> 1. Enlist the Indication and contraindications for extraction of teeth 2. Describe mechanical principles involved in tooth extractions 3. Demonstrate different Chair position for Forceps extraction 4. Demonstrate procedure for closed tooth extraction 5. Demonstrate specific technique for removal of each tooth 6. Manage post extraction socket 7. Define postoperative complications of 	Lecture(1)		



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	tooth extraction 8. Manage postoperative complication of Extraction			
Principles of More Complex Exodontia	<ol style="list-style-type: none"> 1. Define principles of flap design. 2. Describe Principles of incision 3. Illustrate parameters for soft tissue flaps. 4. Describe different types of mucoperiosteal flaps. 5. Compare advantages & disadvantages of mucoperiosteal flaps 6. Explain principles of suturing 7. Explain <ol style="list-style-type: none"> i) Principles for surgical extraction ii) Techniques for surgical extraction. 8. Explain: <ol style="list-style-type: none"> i) Indications for surgical extraction ii) Technique for open extraction of single-rooted tooth iii) Technique for surgical removal of multirrooted teeth 9. Describe policy of leaving root fragments. 10. Plan Multiple extractions: <ol style="list-style-type: none"> i) Timing ii) Sequencing <p>By the end of the Oral Surgery OPD rotation the student should be able to:</p> <ol style="list-style-type: none"> 1. Diagnose the indications required surgical extractions (OSCE) 2. Explain the simulated patient/ given patient regarding findings, their implication and possible solution. 3. Demonstrate ideal operating position for various exodontia procedures on patients in OPD. 4. Identify the instruments used for exodontia in OPD. 5. Apply proper instruments following its principles on models and in patients presenting in Oral OPD. 6. Demonstrate/Perform the close removal of tooth on model/ given patient. (OSCE/CLINICAL) 7. Counsel the patient about post operative care 	Lecture(3)		



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COURSE TOPIC: INFECTIONS				
Lecture Topic	Learning Objectives	Mode of Teaching		Assessment Tools
		Lectures	Clinical	
Principles of management and prevention of odontogenic infections	<ol style="list-style-type: none"> 1. Identify the microbiology of odontogenic Infections 2. Pathophysiology of Odontogenic infections 3. Outline the Principles of management 4. Elaborate principles of: <ol style="list-style-type: none"> i. Therapy of odontogenic infections ii. Prevention of infection 5. Enlist prescribed prophylactic antibiotics for infection 6. Describe principles of prophylaxis against metastatic infection 	Lecture(3)	Practical demonstration during surgical rotation	Any one form of assessment - Quiz - Class Test - Class Participation - Individual - Assignment Group Test -OSATS
Complex Odontogenic infections	<ol style="list-style-type: none"> 1. Outline the boundaries of facial spaces 2. Classify facial space infection 3. Enlist deep fascial space infections 4. Enlist specific infections (CST, NF, OM, Atinomyces, Candidiasis) 5. Describe various route of spread of Facial space infection 6. Apply management plan of complex odontogenic infection 	Lecture(5)		
	<p>By the end of the Oral Surgery OPD rotation the student should be able to:</p> <ol style="list-style-type: none"> 1. Classify the facial spaces 2. Explain the causes of spread of infections 3. Perform the examination of the swelling on simulated patients/OPD patients 4. Diagnose the patients with odontogenic infections (CBL/ Simulated/OPD patients) 5. Formulate the management plan (OSCE/CLINICAL) 6. Demonstrate culture and sensitivity testing 			



ORTHODONTICS

COURSE TOPIC: INTRODUCTION TO ORTHODONTICS

Lecture topic	Topic objectives	Mode of teaching		Assessment Tool
The definitions of orthodontics	By the end of lecture student will be able to: <ol style="list-style-type: none"> 1. Define orthodontics and its branches 2. Discuss the indications, contraindications and aims of various types of orthodontic treatments 3. Differentiate between different types of treatments i.e <ol style="list-style-type: none"> i) Preventive, ii) interceptive, iii) corrective and iv) surgical treatment 4. Explain the need for orthodontic treatment on the basis of IOTN (Index of Orthodontic Treatment Need) with their advantages and disadvantages 5. Define malocclusion 	Lecture	Lecture and Small Group Discussion	<ul style="list-style-type: none"> • VIVA • BCQ • OSPE
Branches of orthodontics including serial extractions and space maintainers				
Aims and needs for orthodontic treatment				
Prevalence of malocclusion				
Advantages and disadvantages of orthodontic treatment				



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COURSE TOPIC: DEVELOPMENT OF DENTITION & OCCLUSION				
Lecture topic	Topic objectives	Mode of teaching		Assessment Tool
Prenatal development of dentition	By the end of lecture student will be able to: 1. Outline pre-natal development of dentition and features of primary dentition 2. Differentiate between mixed and permanent dentition period 3. Discuss the dimensional changes occurring in dental arches between mixed and primary dentition period 4. Explain variations in development including size, form, number and position of teeth 5. Classify all the factors affecting development of dentition 6. Describe Nolla's stages of tooth development	Lectures	Lecture and small group discussions	<ul style="list-style-type: none"> • BCQ • VIVA • OSPE
Features of primary Dentition				
Mixed dentition Period				
Permanent dentition Period				
Dimensional changes in Dental Arch				
Variations in development including size, form, number and position of teeth				

COURSE TOPIC: DIAGNOSTIC AIDS, CASE HISTORY AND CLINICAL EXAMINATION				
Lecture topic	Topic objectives	Mode of teaching		Assessment Tool
History	By the end of lecture student will be able to: 1. Compile different procedures used in orthodontic diagnosis like: i) Record keeping ii) History taking 2. Demonstrate extra and Intra oral examination on the given patient. 3. Describe the diagnostic importance of various radiograph: i) Ceph ii) OPG iii) Occlusal view iv) Periapical view	Lecture	Lecture flipped classroom Demonstration in OPD rotation Flipped classroom	<ul style="list-style-type: none"> • BCQ's • OSPE • VIVA
Clinical Evaluation				
Extra oral examination				
Intra oral examination				



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COURSE TOPIC: GROWTH				
Lecture topic	Topic objectives	Mode of teaching		Assessment Tool
Basic concepts and Definitions	By the end of lecture student will be able to: 1. Define growth and development 2. Categorize all the factors affecting the craniofacial growth 3. Explain pre-natal and post-natal growth of: i) Skull ii) Cranial base iii) Maxillae iv) Mandible 4. Classify different methods of studying growth on the basis of physical and experimental methods 5. Predict stages of growth on the basis of Cervical Vertebral Maturation, hand and wrist radiograph, physical, biological and chronological aspects 6. Describe the etiology and clinical features of different syndromes affecting craniofacial region 7. Discuss various theories of growth 8. Discuss the development of Temporomandibular joint.	Lecture	Lecture and small group discussions	<ul style="list-style-type: none"> • BCQ • VIVA • OSPE
Variables Affecting Growth		Flipped classroom		
Prenatal and Postnatal Craniofacial Growth				
Methods of studying Growth				
Theories of Growth				
Clinical application of Growth and Development/ Growth predictions using CVM and hand wrist				
Different syndromes effecting craniofacial region				



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PROSTHODONTICS				
COURSE TOPIC: COMPLETE DENTURE				
Lecture Topic	Learning Objectives	Mode of Teaching		Assessment Tools
		Lectures	Clinical	
Introduction to Prosthodontics	<ol style="list-style-type: none"> 1. Define Prosthodontics 2. List branches of Prosthodontics 3. Define <ol style="list-style-type: none"> i) Conventional denture ii) Immediate denture iii) Over-denture iv) Single complete denture v) Implant supported complete denture 4. Describe reasons for tooth loss 5. Identify surfaces of the complete denture on a given model. 	Lecture		Class Participation Term and final examination
Anatomy and physiology of complete denture	<ol style="list-style-type: none"> 1. Discuss the clinical importance of extra oral landmarks 2. Identify on picture <ol style="list-style-type: none"> i) Interpupillary line ii) Ala-tragus line iii) Canthus tragus line iv) Nasio-labial sulcus v) Vermillion border vi) Philtrum vii) Modiolous viii) Angle of the mouth. 3. Identify intraoral landmarks of prosthetic importance on ideal model of maxilla <ol style="list-style-type: none"> i) Residual ridge ii) Maxillary tuberosity iii) Palate iv) Midpalatine raphe v) Incisive papilla vi) Palatine rugae vii) Torus palatines viii) Fovea palatinae ix) Post palatal seal x) Hamular notch xi) Cuspid eminence xii) Zygomatic process 4. Discuss intraoral landmarks of prosthetic significance for 	Lecture Flip classroom		Class Participation Term and final examination



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	<p>fabrication of mandibular complete denture.</p> <ol style="list-style-type: none"> i) Residual ridge ii) External oblique ridge iii) Buccal shelf area iv) Mental foramen v) Retromolar pad area vi) Mylohyoid ridge vii) Torus mandibularis viii) Internal oblique ridge ix) Genial tubercle 			
<p>Peripheral tissue attachment of denture bearing area/ Biological considerations for impression.</p>	<ol style="list-style-type: none"> 1. Identify the border structures that limit the periphery of the denture in maxilla in the given model <ol style="list-style-type: none"> i) Labial frenum ii) Labial vestibule iii) Buccal frenum iv) Buccal vestibule v) Hamular notch vi) Posterior palatal seal area vii) Fovea palatinae 2. Identify structures border structures that limits the periphery of the denture in mandible <ol style="list-style-type: none"> i) Labial frenum ii) Labial vestibule iii) Buccal frenum iv) Buccal vestibule v) Lingual frenum vi) Alveolo-lingual sulcus vii) Retromolar pad viii) Pterygo-mandibular raphae. 	Lecture	Practical	<p>Class Participation</p> <p>Term and final examination</p>
<p>Physical and Biomechanical Considerations (Retention)</p>	<ol style="list-style-type: none"> 1. Define esthetics, mastication and speech 2. Classify residual alveolar ridge according to Atwood's classification 3. Describe pattern of resorption and masticatory loads in mandible 4. Define retention in complete denture 1. Describe primary factors affecting the degree of <ol style="list-style-type: none"> i. Retention ii. Adhesion iii. Cohesion 	Lecture		<p>Class Participation</p> <p>Term and final examination</p>



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	<ul style="list-style-type: none"> iv. Interfacial surface tension v. Atmospheric pressure vi. Capillarity vii. Gravity <p>6. Describe factors affecting the physical forces in primary retention</p> <ul style="list-style-type: none"> i) Quality of saliva ii) Quantity of saliva iii) Surface area iv) Intimacy of contact v) Peripheral seal <p>7. Describe factors aiding mechanically in primary retention of the denture</p> <ul style="list-style-type: none"> i. Undercuts ii. Over denture iii. Implants iv. Mucosal inserts v. Rubber suction vi. Magnets <p>8. Explain the secondary factors affecting the degree of retention of complete dentures.</p> <p>9. Describe the function and positional significance regarding complete denture fabrication.</p> <ul style="list-style-type: none"> i. Cheek muscles ii. Lips iii. Tongue iv. Floor of mouth v. Soft palate vi. Masseter vii. Neutral zone <p>10. Discuss the shape/contour of denture borders and flanges in relation to the surrounding musculature and supporting structure for the fabrication of complete dentures.</p> <ul style="list-style-type: none"> i. Over extension denture borders ii. Border molding iii. Coronoid process iv. Occlusal scheme v. Neuromuscular control vi. Physiological factors vii. Proper patient instructions 			
Physical and Biomechanical Considerations (Stability and Support)	<ul style="list-style-type: none"> 1. Define stability in complete denture 2. List factors affecting stability in complete denture 3. Describe the factors 	Lecture		Class Participation Term and final



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	<p>influencing the stability and support of the complete denture.</p> <ul style="list-style-type: none"> i) Residual ridge size ii) Quality iii) Palatal vault iv) Neutral zone v) Surrounding vi) musculature <p>4. Describe the factors influencing the stability and support of the complete denture.</p> <ul style="list-style-type: none"> i) Flange shape and contour ii) Occlusal factors iii) Abnormal ridge relationship iv) Direct bone anchorage <p>5. Define support in complete denture</p> <p>6. Describe importance and requirements of support in a complete denture</p> <p>7. Discuss supporting areas of the denture foundation</p> <p>8. Explain support form of the Denture foundation</p> <ul style="list-style-type: none"> i) Describe the factors affecting support ii) Surface area iii) Nature of supporting mucosa iv) Impression procedure v) Accuracy of fit vi) Direct bone anchorage 			examination
Examination, Diagnosis and Treatment planning	<ol style="list-style-type: none"> 1. Take complete medical and dental history of patients presenting to OPD 2. Evaluate Psychological and mental health of patients according to house's classification 3. Discuss the drugs which affect the prosthetic treatment of the patient. 4. Perform clinical examination of patients <ul style="list-style-type: none"> i) Extra oral examination <ul style="list-style-type: none"> i. Facial examination ii. Skin 	Lecture	Tutorial Practical	<p>Class Participation</p> <p>Term and final examination</p> <p>Mini-cex</p>



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	<ul style="list-style-type: none"> iii. Lips <ul style="list-style-type: none"> a) Lip length b) Lip Thickness c) Lip Mobility d) Lip support e) Smile Line iv. Neuromuscular evaluation v. Speech evaluation vi. TMJ evaluation ii) Intraoral examination <ul style="list-style-type: none"> i. Cheeks ii. Tongue <ul style="list-style-type: none"> a) Tongue size b) Tongue position c) Tongue biting iii. Frenal attachment iv. Floor of the mouth v. Maxillary tuberosity vi. Palate <ul style="list-style-type: none"> a) Hard Palate b) Palatal torus c) Mandibular tori d) Smoker's Palate e) Denture induced stomatitis f) Soft palate classification vii. Residual alveolar ridge classification viii. Bony Prominences ix. Undercuts x. Saliva <ul style="list-style-type: none"> a) Salivary flow b) Viscosity c) Xerostomia d) Oral mucosa examination e) Inter-arch space iii) Radiographic examination 5. Describe treatment planning for patients 6. Define tissue conditioning 7. Define nutritional counseling 			
<p>Mouth Preparation Including Pre-prosthetic Surgery</p>	<p>Discuss non-surgical methods of mouth preparation:</p> <ul style="list-style-type: none"> i. Rest for denture bearing area ii. Occlusal correction iii. Good nutrition iv. Conditioning of patient's 	<p>Lecture</p>		<p>Class Participation</p> <p>Term and final examination</p>



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	<p>musculature</p> <p>Discuss surgical methods of mouth preparation:</p> <ol style="list-style-type: none"> i. Removal of retained dentition ii. Elimination of infections iii. Removal of hyperplastic ridge tissue iv. Correction of hypertrophic maxillary labial frenum v. Correction of hypertrophic lingual frenum vi. Correction of papillary hyperplasia vii. Correction of ridge undercuts viii. Correction of hyperplastic epulis fissuratum ix. Management of prominent mylohyoid and internal oblique ridges x. Reduction of pandulus maxillary tuberosity xi. Excision of tori xii. Vestibuloplasty. 			
Posterior palatal seal	<ol style="list-style-type: none"> 1. Define posterior palatal seal 2. Describe the functions of posterior palatal seal 3. List the components and boundaries of posterior palatal seal <p>Describe the techniques for recording the posterior palatal seal</p>	Lecture Flip classroom	Practical	Class Participation Term and final examination



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COURSE TOPIC:IMPRESSIONS				
Lecture Topic	Learning Objectives	Mode of Teaching		Assessment Tools
		Lectures	Clinical	
Objectives, theories and techniques of impression	<ol style="list-style-type: none"> 1. Define <ol style="list-style-type: none"> i) Retention ii) Support iii) Stability iv) Esthetics v) Preservation of remaining structures 2. Describe indications, advantages, disadvantages, and material used in impression making with the following techniques: <ol style="list-style-type: none"> i) Minimal pressure impression technique ii) Selective pressure impression technique iii) Definite pressure impression technique iv) Functional impression technique 3. Discuss the impression techniques: <ol style="list-style-type: none"> i) Based on mouth opening ii) Based on types of trays used iii) Based on theories of impression iv) Based on purpose of impression v) Based on material used 	Lecture Videos	Tutorial Practical	Class Participation Term and final examination DOPS



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COURSE TOPIC: CROWN AND BRIDGES				
Lecture Topic	Learning Objectives	Mode of Teaching		Assessment Tools
		Lectures	Clinical	
An introduction to Fixed Prosthodontics	<ol style="list-style-type: none"> 1. Define the following terms: <ol style="list-style-type: none"> i) Fixed prosthodontics ii) Crown iii) Bridge iv) Inlay v) Veneers vi) Retainers vii) Pontics viii) Abutment ix) Saddle area 2. Discuss the applied anatomy and physiology of face <ol style="list-style-type: none"> i) Tmj ii) Muscles of mastication iii) Jaw movements 3. Discuss indications and contraindications of fixed prosthodontics 	Lecture		Class Participation Term and final examination
History and examination	<ol style="list-style-type: none"> 1. Discuss <ol style="list-style-type: none"> i) Demographic data ii) Chief complaint iii) History of presenting complaint iv) Medical history v) Dental history 2. Define extra oral examination 3. Demonstrate it on a patient. <ol style="list-style-type: none"> i) Facial features ii) ii) Facial form iii) Facial profile iv) Tmj v) Muscles of mastication 4. Define Intra oral examination 5. Demonstrate it on a patient. <ol style="list-style-type: none"> i) Periodontal needs ii) Restorative needs iii) Endodontic needs iv) Prosthodontic needs v) Orthodontic needs 	Lecture		Class Participation Term and final examination Mini-CEX
Diagnostic Cast and related procedure	<ol style="list-style-type: none"> 1. Discuss the art of impression making 2. Discuss the mounting on articulator 3. Discuss types of articulator 4. Identify parts of Facebow in 	Lecture		Class Participation Term and final examination



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	<p>picture</p> <p>5. Record the centric relation on patients</p>			
Treatment Planning	<p>1. Analyze patients needs</p> <p>2. Discuss available material for the fabrication of the required prosthesis</p> <p>3. Assess abutment teeth</p> <p>4. Plan replacement of single and multiple missing teeth</p>	Lecture	CBL	<p>Class Participation</p> <p>Term and final examination</p> <p>Mini-Cex</p>
Principals Of Occlusion	<p>1. Explain</p> <p>i) Anatomy of tmj</p> <p>ii) Ligaments</p> <p>iii) Centric relation</p> <p>iv) Mandibular, border and functional movements</p> <p>v) Unilateral and bilateral balanced occlusion</p>	Lecture		<p>Class Participation</p> <p>Term and final examination</p>
Mouth Preparation	<p>1. Discuss the importance of mouth preparation:</p> <p>i) Periodontally</p> <p>ii) Restoratively</p> <p>iii) Orthodontically</p> <p>iv) Surgically</p> <p>v) Diagnostic adjustments</p> <p>vi) Clinical occlusal adjustments</p>	Lecture	Practical	<p>Class Participation</p> <p>Term and final examination</p>
Components Of Fixed Partial Denture	<p>Discuss the components of fixed partial denture</p> <ul style="list-style-type: none"> • Connector • Pontic • Retainer • Abutment 	Lecture	Tutorial	<p>Class Participation</p> <p>Term and final examination</p>



PEDIATRIC DENTISTRY				
COURSE TOPIC: INTRODUCTION TO PEDIATRIC DENTISTRY				
Lecture Topic	Learning Objectives	Mode of Teaching		Assessment Tools
		Lectures	Clinical	
Introduction To Paediatric Dentistry	<ul style="list-style-type: none"> ➤ Discuss development of dentition. ➤ Differentiate between primary and permanent teeth on the basis of structure composition and size ➤ Explain the chronology of development of primary and permanent dentition ➤ State exfoliation & eruption timing, sequence of primary teeth, sequence of eruption permanent teeth eruption. 	Lecture (1)	Small group discussion	Class Participation Final Examination

COURSE TOPIC: PAIN AND ANXIETY MANAGEMENT OF PEDIATRIC PATIENT				
Lecture Topic	Learning Objectives	Mode of Teaching		Assessment Tools
		Lectures	Clinical	
Pain And Anxiety Management of Pediatric Patient	<ul style="list-style-type: none"> ➤ List various pharmacological and non-pharmacological methods of pain and anxiety control. ➤ Describe different behavioral management strategies for pediatric patients. ➤ State different sedation techniques for pediatric patient. ➤ Explain the dental management of children with special needs. ➤ By the end of paedodontic OPD rotation the final student will be able to: ➤ Demonstrate various behavioral management strategies on simulated pediatric patients. ➤ Write down a prescription for pain and infection control in pediatric patients presenting with endodontic pain. 	Lecture (2)	Tutorial/ Small Group Demonstration On simulated patient	Class Participation Final Examination Skill evaluation • Role play Prescription writing (OSAT)



COURSE TOPIC: LOCAL ANESTHESIA TECHNIQUE FOR PEDIATRIC PATIENT				
Lecture Topic	Learning Objectives	Mode of Teaching		Assessment Tools
		Lectures	Clinical	
Local Anesthesia Technique for Pediatric Patient	<ul style="list-style-type: none"> ➤ Summarize new techniques for achieving topical anesthesia. ➤ List non pharmacological pain control methods ➤ Describe available topical anesthetic solutions. ➤ Describe new techniques for achieving topical anesthesia. ➤ List various techniques of local anesthesia administration. ➤ Describe supplemental anesthesia techniques ➤ Enlist contra indications of local anesthesia ➤ Describe pain free anesthesia technique. ➤ Interpret Possible complications of local anesthesia. <p>By the end of paedodontic opd rotation the final student will be able to:</p> <ul style="list-style-type: none"> ➤ Perform painless anesthesia technique on pediatric patients undergoing restorative treatment. 	Lecture (2)	<p>Tutorial/ Small Group Demonstration On patient/ (Typodont) OSAT</p>	<p>Class Participation Final Examination</p> <p>Skill evaluation</p> <p>WPBA OSAT</p>

COURSE TOPIC: PREVENTION OF DENTAL CARIES FOR PEDIATRIC PATIENT				
Lecture Topic	Learning Objectives	Mode of Teaching		Assessment Tools
		Lectures	Clinical	
Prevention Of Dental Caries for pediatric patient	<ul style="list-style-type: none"> ➤ Describe various medical conditions that may affect the management of pediatric patient. ➤ Discuss effects of diet on dental tissues. ➤ State various sources of sugars. ➤ Describe the effect of fluoride on dental caries process. ➤ Discuss mechanism of action of fluoride ➤ Discuss management of accidental fluoride toxicity ➤ Explain the rationale of fluoride supplementation. ➤ Describe different vehicles of fluoride delivery. ➤ Explain the importance of parental counseling. ➤ Describe the importance of dietary management and home care in caries prevention. ➤ State the importance of regular dental follow-ups. ➤ Discuss the importance of fissure sealing and acid etch technique as a preventive measure. ➤ Describe the placement of pit and fissure sealants and preventive resin restorations in primary teeth. <p>By the end of the paedodontics OPD rotation the student will be able to:</p> <ul style="list-style-type: none"> ➤ Take a medical and dental history of a 	Lecture (3)	<p>Tutorial/ Small Group Discussion On patient</p>	<p>Class Participation Group Assignment Final Examination</p>



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	<p>pediatric patient.</p> <ul style="list-style-type: none"> ➤ Counsel parent/ guardian of a pediatric patient regarding measures to prevent dental disease. ➤ Demonstrate correct tooth brushing technique. ➤ Perform placement of pit and fissure sealants ➤ Perform preventive resin restorations on patients. 			<p>Skill evaluation</p> <ul style="list-style-type: none"> • Mini-CEX • OSAT
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LEADERSHIP, PROFESSIONALISM & ETHICS (LeaPE)

BIOETHICS

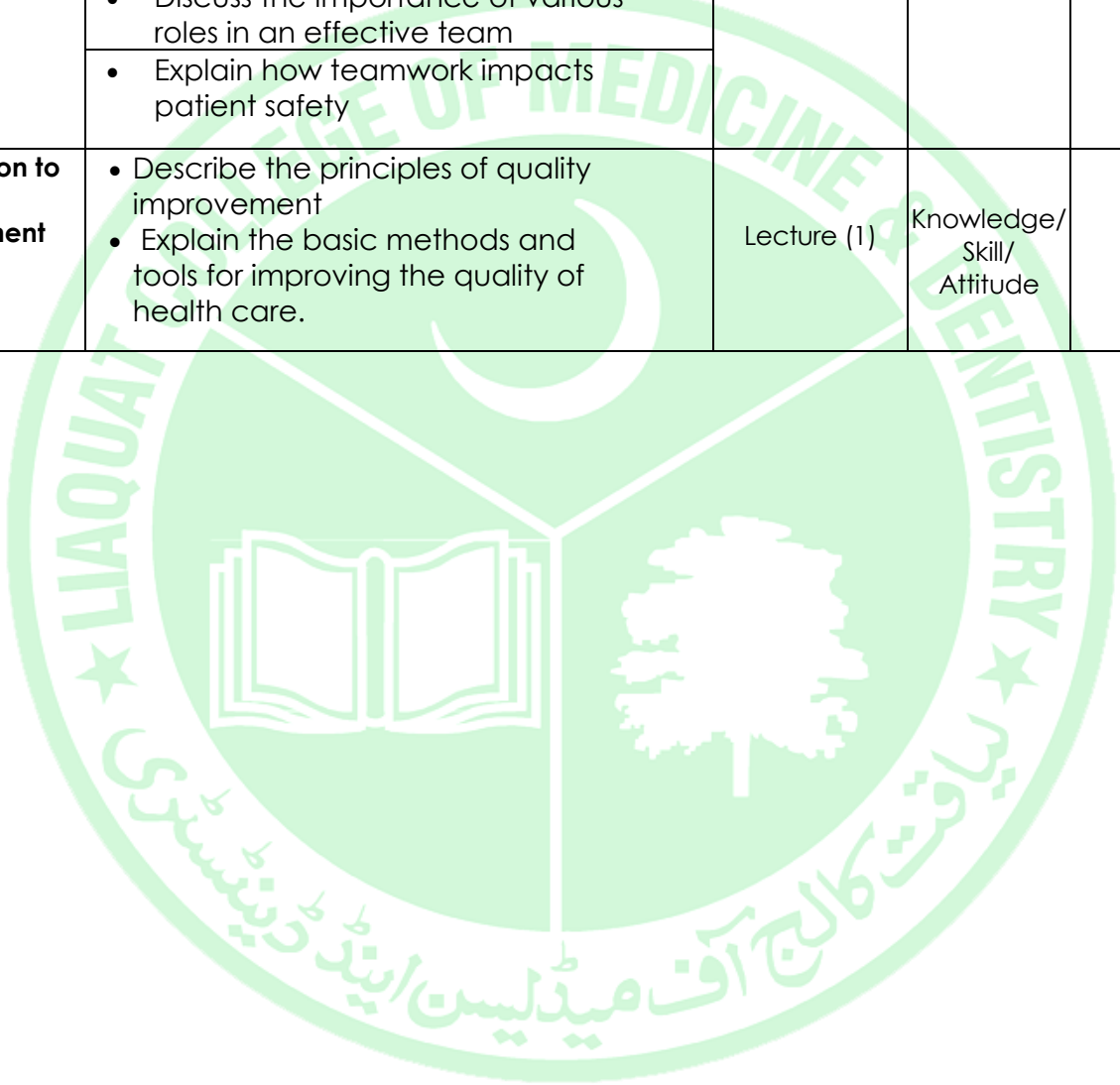
Lecture Topic	Learning Objectives	Mode of Teaching		Assessment Tools
		Lectures	Clinical	
Medical Error and Negligence	<ul style="list-style-type: none"> Describe the ethics of medical error reporting and disclosure. 	Lecture (1)	Knowledge	MCQS
	<ul style="list-style-type: none"> Describe whistle blowing in medical practice 		Knowledge	MCQS
Conflict of interest	<ul style="list-style-type: none"> Define 'conflict of interest' Discuss situations of divided Loyalty Discuss potential conflict of interest issues that may arise when dealing with pharmaceutical companies, government agencies or employees 	Lecture + Project Based Learning (2)	Knowledge/ Skill/ Attitude	MCQS
	<ul style="list-style-type: none"> Identify various situations that may potentially involve conflict of interest (pharma- physician relationship, prescriptions, procurements, medical certificates, research, etc.) 			
End-of-life Care	<ul style="list-style-type: none"> Discuss the various ethical issues related to End-of-Life care and how they differ in various cultures Discuss how to make decisions about end-of-life care based on ethical principles and local cultural values 	Lecture (1)	Knowledge	MCQS
Ethical use of Artificial Intelligence (AI)	<ul style="list-style-type: none"> Define Artificial Intelligence and its classification Discuss how AI is currently being used in academics, clinical practice & research Discuss ethical principles of using AI 	Lecture + Project Based Learning (2)	Knowledge/ Skill/ Attitude	MCQS
Ethical use of social media	<ul style="list-style-type: none"> Define Social Media Discuss ethical norms of engagement and boundaries on social media Discuss issues such as privacy, confidentiality and informed consent relating to social media use 	Lecture (1)	Knowledge	MCQS



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PATIENT SAFETY AND INFECTION CONTROL				
Topic	Objectives	Mode of Teaching	KSA Competencies Knowledge/Skill/ Attitude	Assessment Tools
		Lecture/ Tutorials		
Teamwork and patient safety	<ul style="list-style-type: none"> Define characteristics of an effective team Discuss the importance of teamwork in health care delivery Discuss the importance of various roles in an effective team Explain how teamwork impacts patient safety 	Lecture (1)	Knowledge	MCQS
Introduction to quality improvement methods	<ul style="list-style-type: none"> Describe the principles of quality improvement Explain the basic methods and tools for improving the quality of health care. 	Lecture (1)	Knowledge/ Skill/ Attitude	MCQS





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COMMUNICATION SKILLS				
Lecture Topic	Learning Objectives	Mode of Teaching		Assessment Tools
		Lectures	Clinical	
Counseling Skills	<ul style="list-style-type: none">➤ Define counseling & the basic steps of counseling➤ Describe the rationale for counseling➤ Differentiate between counseling and providing information to the patient for their care	Lecture (1)	Knowledge	MCQS
Breaking Bad News	<ul style="list-style-type: none">➤ Discuss the steps of breaking bad news➤ Define the SPIKES protocol for breaking bad news	Lecture (1)	Knowledge/ Skill/ Attitude	MCQS

